

Active Native Clostridium perfringens Neuraminidase Agarose, Type VI-A

Cat. No. Neuraminidase-013C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Type VI-A, ammonium sulfate suspension
Species	Clostridium perfringens (C. welchii)
Description	Neuraminidase enzymes are glycoside hydrolase enzymes that catalyze hydrolysis of terminal sialic acid residues. The most well-known are the viral nearamidases, which promote influenza virus release.
Form	ammonium sulfate suspension
Enzyme Commission number	3.2.1.18 (BRENDA, IUBMB)
MDL number	MFCD00131711
UNSPSC Code	12352204
NACRES	NA.54
Matrix	Beaded agarose
Bio-activity	20-60 units/g agarose
Unit Definition	One unit will liberate 1.0 μ mole of N-acetylneuraminic acid per min at pH 5.0 at 37

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centigrade using NAN-lactose or bovine submaxillary mucin, unless otherwise specified. Prices based on units using NAN-lactose as substrate.

Applications	Agarose-linked neuraminidase from <i>Clostridium perfringens</i> can be used for the detection of total and desialylated sex hormone-binding globulin in human serum samples. Neuraminidase from <i>Clostridium perfringens</i> has been used in a study to assess a genetic polymorphism of human serum glycoprotein (inter-α-trypsin-inhibitor). It has also been used in a study to investigate the inhibition of neuraminidase by chemically sulphated glycopeptides.
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Storage	2-8 centigrade
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Storage Buffer	Suspension in 2.0 M (NH ₄) ₂ SO ₄ solution, pH 7.0.
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GENE INFORMATION

Official Symbol	Neuraminidase
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Synonyms	Acylneuraminy l hydrolase; Receptor-destroying enzyme; Sialidase
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